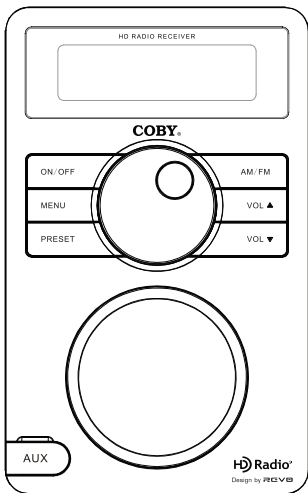


# COBY®

Portable AM/FM Radio with  
HD Radio Technology



HDR-700



## Instruction Manual

Please read this manual carefully before operation

# Precautions

	<b>CAUTION</b> WARNING: SHOCK HAZARD, DO NOT OPEN. AVIS: RISQUE DE CHOC ELECTRIQUE. NE PAS OUVRIR	
<b>CAUTION:</b> TO REDUCE THE RISK OF FIRE AND ELECTRIC SHOCK, DO NOT REMOVE THE COVER (OR BACK) OF THE UNIT. REFER SERVICING ONLY TO QUALIFIED SERVICE PERSONNEL.		



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operation and servicing instructions in the literature accompanying the appliance.

### ***For Customer Use:***

Enter below the serial number that is located on the rear of the unit. Retain this information for future reference.

Model No. \_\_\_\_\_ HDR-700 \_\_\_\_\_

Serial No. \_\_\_\_\_

**WARNING:** To prevent fire or shock hazard, do not expose this device to rain or moisture. Dangerous high voltage is present inside the enclosure. Do not open the cabinet.

**CAUTION:** To prevent electric shock, match wide blade of plug to wide slot of outlet and fully insert.

**Protect your hearing:** Hearing experts advise against the constant use of personal stereos played at high volume. Constant exposure to high volumes can lead to hearing loss. If you should experience ringing in the ears or hearing loss, discontinue use and seek medical advice.

# Precautions

## FCC Statement:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

**Note:** This equipment has been tested and found to comply with the limits for Class B digital devices, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

Use of shielded cable is required to comply with Class B limits in Subpart B of Part 15 of the FCC rules.

Do not make any changes or modifications to the equipment unless otherwise specified in the manual. If such changes or modifications should be made, you could be required to stop operation of the equipment.

HD Radio™ Technology Manufactured Under License From iBiquity Digital Corp. U.S. and Foreign Patents. HD Radio™ and the HD Radio logo are proprietary trademarks of iBiquity Digital Corp.



For recycling or disposal information about this product, please contact your local authorities or the Electronics Industries Alliance: [www.eiae.org](http://www.eiae.org).

# Important Safety Instructions

1. **Read Instructions:** All the safety and operating instructions should be read before the product is operated.
2. **Retain Instructions:** The safety and operating instructions should be retained for future reference.
3. **Heed Warnings:** All warnings on the product and in the operating instructions should be adhered to.
4. **Follow Instructions:** All operating and usage instructions should be followed.
5. **Cleaning:** Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
6. **Attachments:** Use only attachments recommended by the manufacturer. Use of other attachments may be hazardous.
7. **Water and Moisture:** Do not use this product near water (e.g., near a bath tub, washbowl, kitchen sink, laundry tub, in wet basements, or near a swimming pool and the like).

8. **Accessories:** Do not place this product on an unstable cart, stand, tripod, bracket, or table. Use only with carts, stands, tripods, brackets, or tables recommended by the manufacturer or sold with the product. Any mounting of the product should follow the manufacturer's instructions and should use a mounting accessory recommended by the manufacturer.



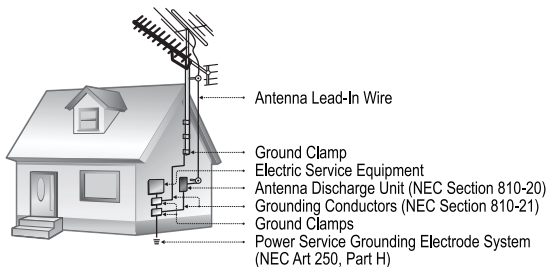
A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.

9. **Ventilation:** Slots and openings in the cabinet are provided for ventilation to ensure reliable operation of the product and to protect it from overheating. These openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer instructions have been adhered to.
10. **Power Sources:** This product should be operated only from the type of power source indicated on the rating label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power or other sources, refer to the operating instructions.
11. **Grounding or Polarization:** This product may be equipped with a polarized alternating-current line plug that has one blade wider than the other.

# Important Safety Instructions

This plug will only fit into the power outlet in one direction. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the direction of the plug. If the plug should still fail to fit, contact an electrician to replace the obsolete outlet. Do not defeat the safety purpose of the polarized plug.

12. **Power-Cord Protection:** Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and at the point which they exit from the product.
13. **Protective Attachment Plug:** The product may be equipped with an attachment plug with overload protection. This is a safety feature. See the operating instructions for replacement or directions to reset the protective device. If replacement of the plug is required, be sure the service technician has used a replacement plug that has the same overload protection as the original plug as specified by the manufacturer.
14. **Outdoor Antenna Grounding:** If an outside antenna is connected to the product, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANS/NFPA 70 provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna-discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode (see figure).



15. **Lightning:** For added protection for this product, unplug it from the wall outlet and disconnect the antenna or cable system during a lightning storm or when it is left unattended and unused for long periods of time. This will prevent damage to the product due to lightning or power-line surges.

# Important Safety Instructions

16. **Overloading:** Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
17. **Object and Liquid Entry:** Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
18. **Servicing:** Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
19. **Damage Requiring Service:** Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions: a) when the power-supply or plug is damaged; b) if liquid has been spilled or if objects have fallen into the product; c) if the product has been exposed to rain or water; d) if the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation; e) if the product has been dropped or damaged in any way; f) when the product exhibits a distinct change in performance—this indicates a need for service.
20. **Replacement Parts:** When replacement parts are required, be sure that your service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
21. **Safety Check:** Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to ensure that the product is in proper operating condition.
22. **Wall or Ceiling Mounting:** The product should be mounted to a wall or ceiling only as recommended by the manufacturer.
23. **Heat:** The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.
24. The mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
25. Please read Rating Labels at the bottom of the Sender and Receiver for power input and other safety information.

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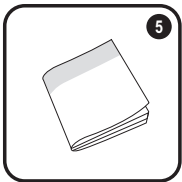
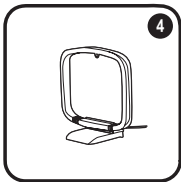
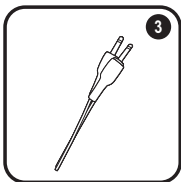
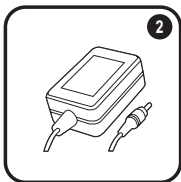
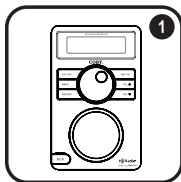
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# Package Contents

Please make sure that the items shown below are included in the package. Should an item be missing, please contact the local retailer from which you purchased this product.



1. HDR-700
2. 100-240V AC Power Supply
3. AUX Cable (3.5mm)
4. AM Loop Antenna
5. Instruction Booklet

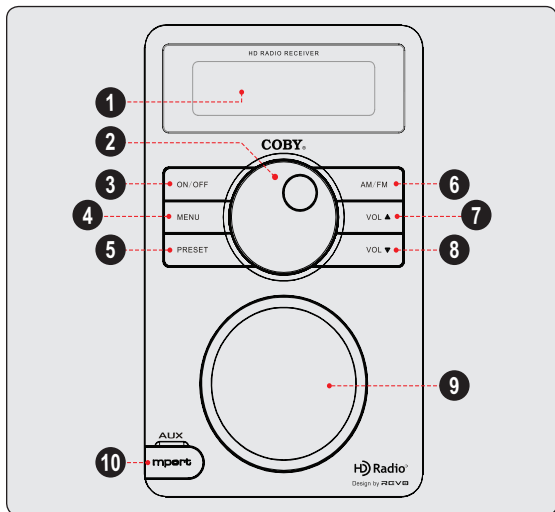
# Features

- ✦ HD Radio tuner receives crystal clear digital broadcasts with no subscription fees.
- ✦ FM multicasting support
- ✦ Also receives AM/FM analog broadcasts
- ✦ 10-station digital preset memory
- ✦ Integrated rechargeable battery provides up to 5 hours of play time
- ✦ Splash-proof housing allows for indoor and outdoor use
- ✦ Integrated full-range speaker system
- ✦ 3.5mm auxiliary input port allows for quick and easy connection of an iPod® (or other MP3 player or external audio device)
- ✦ 3.5mm headphone jack

# Getting Started

## HDR-700 at a Glance

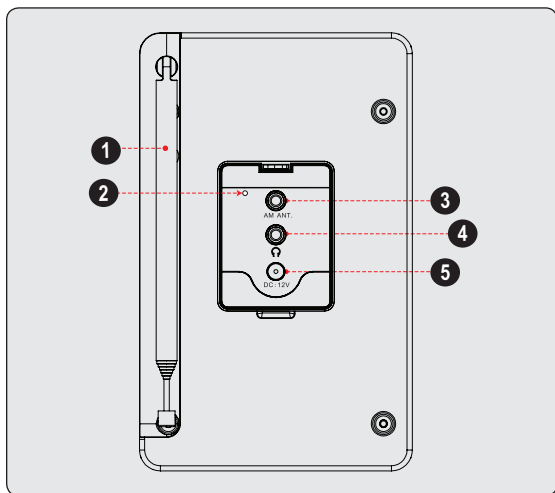
### Front View



- |                        |                              |              |
|------------------------|------------------------------|--------------|
| 1. Display Screen      | 6. AM/FM Band                | <b>AM/FM</b> |
| 2. Tuning Control Dial | 7. Volume Up                 | <b>VOL ▲</b> |
| 3. Power On/Off        | 8. Volume Down               | <b>VOL ▼</b> |
| 4. Menu                | 9. Speaker                   |              |
| 5. Preset              | 10. M-Port (Auxiliary Input) |              |

# Getting Started

## Rear View



1. FM Antenna
2. Reset Button
3. AM Antenna Input Port
4. Headphone Out Jack
5. DC 12V Power Input Jack

# Getting Started

## Connections

### **AM Antenna**

The unit comes with an AM loop antenna designed specifically to receive AM signals.

1. Plug the AM loop antenna into the AM Antenna Input Port located on the rear of the unit.
2. Position and orient the antenna well away from the unit for best reception.

### **FM Antenna**

The unit comes with a fixed telescopic rod FM antenna.

- ✦ Pull out and fully extend the FM antenna and adjust its orientation for best reception.

### **Headphones (optional)**

Connect headphones or earphones to the 3.5mm Headphone Out Jack for private listening.

- ✦ Lower the volume level before connecting headphones, then gradually increase the volume for comfortable listening.



Hearing experts advise against the constant use of personal stereos played at high volume.

Constant high-volume use can lead to hearing loss. If you experience ringing in your ears or hearing loss, discontinue use immediately and seek medical advice.

# Getting Started

## **M-Port (AUX Input) (optional)**

The M-Port allows for quick and easy connection of an iPod® (or other MP3 player or external sound sources). Using the supplied AUX cable, your HD radio can be transformed into a high quality digital audio speaker system.

1. Connect one end of the AUX cable to the head-phone (or line out) socket of your source device, and then connect the other end to the AUX Port on the lower left-hand corner of your HD radio.
2. The LCD screen will now display the words “M-Port Active”.
3. Adjust the output volume level on both the source device and on your HD radio itself to gain optimal volume level.

# Getting Started

## Connecting Power

Connect the HDR-700 to an AC 100-240V wall outlet to charge its internal battery or to operate the unit from AC power.

- ✦ Plug one end of the supplied power adapter to the DC 12V Power Input Jack located on the rear of the unit. Plug the other end into an AC 100-240V wall outlet.
- ✦ It will take approximately 8 hours to fully charge the internal battery.



The battery used in this device may present a fire or chemical burn if mistreated. Do not disassemble, incinerate, or heat the battery.

Do not connect this unit to a power source other than that which is indicated here or on the label as this may result in the risk of fire or electric shock.

Use only the AC adapter supplied. Failure to do so may cause a fire or damage the unit.



Upon initial use, the battery should be charged fully (~8 hours) to ensure optimal performance and battery life.

# Using the HDR-700

## Turning on the Radio

Press **ON/OFF** to turn on the radio. The current station will be displayed on screen.

To turn off the radio, press **ON/OFF** again.

## Adjusting the Volume

Adjust the radio volume to the desired level by pressing **VOL▲** or **VOL▼**.

## Selecting a Band (AM/FM)

### AM Mode

Press **AM/FM** until it displays an AM station.

**AM 1180 KHz**

### FM Mode

Press **AM/FM** until it displays an FM station.

**FM 88.1 MHz**



# Using the HDR-700

## **Tuning to a Station**

If no signal is found in your area, it may be necessary for you to adjust the antenna or to relocate your radio.



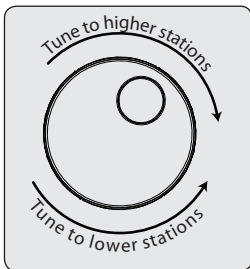
HD Radio Technology enables AM and FM radio stations to broadcast their programs digitally—a tremendous technological leap from the analog broadcasts of the past.

To find stations broadcasting in your area, please visit [www.HDRadio.com](http://www.HDRadio.com) and click on “Find a Station”.

## **Manual Tuning**

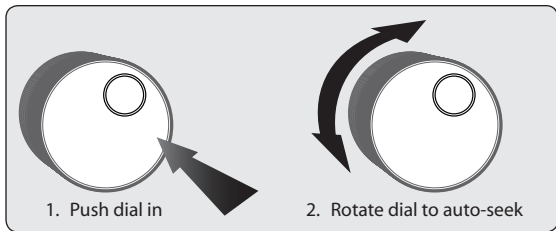
Turn the tuning dial to cycle through the available stations.

- ✦ Turn the dial clockwise to tune to a higher station frequency or turn the dial counterclockwise to tune to a lower station frequency.



# Using the HDR-700

- ✦ To auto-seek to the next available station frequency:
  1. Press the tuning dial.
  2. Turn the tuning dial to tune.



## Preset Tuning

To select a stored AM/FM station:

1. Press **PRESET**.
2. Turn the tuning dial to the desired preset.
3. Press the tuning dial.

**To store station presets, see “Setting Station Presets” on page 21.**

# Using the HDR-700

## HD Radio Multicast Stations

HD Radio technology allows for up to 8 simultaneous broadcasts, thus expanding the number of programs available to listeners under a single station frequency.

If a multicast station is available in your area, the station number will be indicated on the display as follows:

**FM 105.9-1 HD**

Primary Station

**FM 105.9-2 HD**

2nd HD radio station in FM 105.9

# Using the HDR-700

## To seek for an HD radio station:

1. Press **MENU** ("HD SEEK" will be selected). Press the tuning dial to confirm.

**\* HD SEEK \***  
**FM 101.1 MHz**

2. Turn the tuning dial to begin auto-seeking.

**HD SEEKING...**  
**FM 101.1 MHz**

3. The display will indicate "HD" when an HD radio station is available.

**FM 105.9 HD**

# HDR-700 Options

## Setting Station Presets

Your HD radio can store 10 AM and 10 FM presets. To store the current station:

1. Tune to the station you would like to preset.

**AM 1180 KHz**

2. Press and hold **PRESET**.

**SET PRESET**  
**01 AM 1180 KHz**

3. Turn the tuning dial to the desired preset number and press the tuning dial to select. The station will be preset to that number.

**01 AM 1180 KHz**

# HDR-700 Options

## Viewing Station Information

1. Press **MENU** and then turn the tuning dial to select "FREQ DISPLAY". Press the tuning dial to confirm.

**\*\*\* MENU \*\*\***  
**FREQ DISPLAY**

2. Turn the dial to cycle through the "TOGGLE", "STATION NAME" and "FREQUENCY" options.

<b>* FREQ DISPLAY *</b> <b>TOGGLE</b>	Set the display to alternate between the current station name and frequency .
<b>* FREQ DISPLAY *</b> <b>STATION NAME</b>	Display the current station name.
<b>* FREQ DISPLAY *</b> <b>FREQUENCY</b>	Display the current station frequency.

## Resetting the Unit

If the unit should freeze or otherwise behave abnormally, use a paperclip to press the Reset button located on the rear panel.

# Troubleshooting

If you have a problem with this device, please read the troubleshooting guide below and check our website at [www.cobyusa.com](http://www.cobyusa.com) for Frequently Asked Questions (FAQs) and firmware updates. If these resources do not resolve the problem, please contact Technical Support.

<b>Address</b>	COBY Electronics Technical Support 56-65 Rust Street Maspeth, NY 11378	
<b>Email</b>	techsupport@cobyusa.com	
<b>Web</b>	www.cobyusa.com	
<b>Phone</b>	800-727-3592:	Weekdays 8:00AM–11:00PM EST Weekends 9:00AM–5:30PM EST
	718-416-3197:	Weekdays 8:00AM–5:30PM EST

# Specifications

<b>General</b>	Stereo AM, FM radio
<b>Audio Output</b>	4W (8 $\Omega$ )
<b>Frequency Ranges</b>	AM (530 - 1710 KHz) FM (87.7 – 107.9 MHz)
<b>Antenna</b>	Telescopic FM antenna AM loop antenna
<b>H/P Output</b>	3.5mm stereo headphone socket (32 $\Omega$ )
<b>LCD Display</b>	High resolution display
<b>Power Supply</b>	12V DC
<b>Dimensions</b>	4.1" x 6.6" x 3.9" (WHD)

*Specifications and manual are subject to change without prior notice.*



# Notes

# Notes

# Notes

## **Coby Electronics Corporation**

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Lake Success, NY 11042

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[www.ecoby.com](http://www.ecoby.com)

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